



STIC Search Report

EIC 3700

STIC Database Tracking Number: 6289666

TO: Patricia Martin
Location: RND 8a40
Art Unit: 3700
Friday, May 27, 2005

Case Serial Number: 10/669120

From: Terry Solomon
Location: EIC 3700
RND 8b31
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Search Notes

No current or past litigation found involving US pat. 6289666.

Sources:

Lexis/Nexis
Questel-Orbit

042231 (09) 6289666 September 18, 2001

Time of Request: May 27, 2005 01:38 PM EDT

Research Information:

Utility, Design and Plant Patents
patno=6289666

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6289666

September 18, 2001

High efficiency low pollution hybrid Brayton cycle combustor

REISSUE: September 22, 2003 - Reissue Application filed Ex. Gp.: 3746; Re. S.N. 10/669,120 (O.G. December 9, 2003)

APPL-NO: 042231 (09)

FILED-DATE: March 11, 1998

GRANTED-DATE: September 18, 2001

ASSIGNEE-AT-ISSUE: Ginter Vast Corporation, Naperville, Illinois, 02

ASSIGNEE-AFTER-ISSUE: April 28, 1998 - NOTARY PUBLIC CALIFORNIA ALL-PURPOSE
ACKNOWLEDGMENT ATTACHED TO THE ASSIGNMENT, GINTER VAST CORPORATION C/O MICHAEL J.
RAM, ESQ. LOEB & LOEB LLP 10100 SANTA MONICA BOULEVARD, 22ND FLOOR LOS ANGELES
CALIFORNIA 90067, Reel and Frame Number: 09144/0739

September 7, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., GINTER
VAST PORTFOLIO LLC C/O HULL GROUP, SUITE 1400 311 SOUTH WACKER DRIVE CHICAGO ILLINOIS
60606, Reel and Frame Number: 10217/0048

May 2, 2002 - RELEASE OF PATENTS, THANE INTERNATIONAL, INC. 78-140 CALLE TAMPICO LA QUINTA
CALIFORNIA 92253, Reel and Frame Number: 12839/0468

August 8, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., VAST POWER PORTFOLIO, LLC
1728 SOUTH 17TH STREET ELKHART INDIANA 46517, Reel and Frame Number: 14357/0732

LEGAL-REP: Ostrolenk, Faber, Gerb & Soffen, LLP - #0

Selected file: PLUSPAT
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Comprehensive Worldwide Patents database

** SS 1: Results 1
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number :

US6289666 B1 20010918 [US6289666]

Title :

(B1) High efficiency low pollution hybrid Brayton cycle combustor

Patent Assignee :

(B1) GINTER VAST CORP (US)

Patent Assignee :

Ginter Vast Corporation, Naperville IL [US]

Inventor(s) :

(B1) GINTER J LYELL (US)

Application Nbr :

US4223198 19980313 [1998US-0042231]

Filing Details :

C.I.P. of US967289 19921027 [1992US-0967289]

C.I.P. of US232047

Continuation-in-part of: US5743080

Continuation-in-part of: US5617719

Priority Details :

US4223198 19980313 [1998US-0042231]

US96728992 19921027 [1992US-0967289]

Intl Patent Class :

(B1) F02C-003/30 F02C-009/48

EPO ECLA Class :

F01K-021/04E

US Patent Class :

ORIGINAL (O) : 060775000; CROSS-REFERENCE (X) : 060039550

Document Type :

Corresponding document

Citations :

US4474014; US4519769; US5117625; US5617719; US5743080; US5819540

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

A power generating system is described which operates at high pressure and utilizes a working fluid consisting of a mixture of compressed non-flammable air components, fuel combustion products and steam. The working fluid exiting the power generating system is substantially free of NO_x and CO.

Working fluid is provided at constant pressure and temperature.

Combustion air is supplied by one or more stages of compression. Fuel is injected at pressure as needed. At least about 40% of the oxygen in the compressed air is consumed when the fuel is burned. Inert liquid is injected at high pressure to produce working an inert mass of high specific heat diluent vapor for use for internal cooling of the combustion chamber.

The use of non-flammable liquid injection inhibits the formation of pollutants, increases the efficiency and available horsepower from the system, and reduces specific fuel consumption. Control systems allow the independent control of the quantity, temperature and pressure of the air, fuel and non-flammable liquid introduced in the combustion chamber allowing control of the maximum temperature and average temperature within the combustion temperature as well as the temperature of the exhaust from the combustion chamber.

Update Code :

2001-40

1 / 1 LGST - ©EPO

Patent Number :

US6289666 B1 20010918 [US6289666]

Application Number :

US4223198 19980313 [1998US-0042231]

Action Taken :

20020502 US/AS-A

ASSIGNMENT

OWNER: THANE INTERNATIONAL, INC. 78-140 CALLE TAMPICO LA; EFFECTIVE

DATE: 20020313

RELEASE OF PATENTS;ASSIGNOR:BNP PARIBAS, AS AGENT;REEL/FRAME:012839/0468

20030808 US/AS-A

OWNER: VAST POWER PORTFOLIO, LLC 1728 SOUTH 17TH STREETEL; EFFECTIVE

DATE: 20010530

CHANGE OF NAME;ASSIGNOR:GINTER VAST PORTFOLIO,

LLC;REEL/FRAME:014357/0732

20031209 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20030922

Update Code :

2005-07

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,289,666 A 20010918 [US6289666]

Patent Assignee :

Ginter Vast Corp

Actions :

20020502 REASSIGNED

RELEASE OF PATENTS

Assignor: BNP PARIBAS, AS AGENT DATE SIGNED: 03/13/2002

Assignee: THANE INTERNATIONAL, INC. 78-140 CALLE TAMPICO LA QUINTA
CALIFORNIA 92253

Reel 012839/Frame 0468

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20030808 REASSIGNED

CHANGE OF NAME

Assignor: GINTER VAST PORTFOLIO, LLC, DATE SIGNED: 05/30/2001

Assignee: VAST POWER PORTFOLIO, LLC, 1728 SOUTH 17TH STREET, ELKHART,
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Reel 014357/Frame 0732

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20030922 REISSUE REQUESTED
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EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3746

Reissue Patent Number:

Session finished: 27 MAY 2005 Time 20:21:37
QUESTEL.ORBIT thanks you. Hope to hear from you again soon.